THE TECH

DAILY

VOL. XXIX. NO. 15.

BOSTON, MASS., FRIDAY, OCTOBER 15, 1909

PRICE ONE CENT

FRESHMEN BATTALION COMPLETELY ORGANIZED

Appear In Uniforms Wednesday

Organization of thee M. I. T. battalion is nearly complete, so that the appointment of one commissioned officer and a slight equalization of the nummbers of men in the companies is all that is necessary to get things down to a permanent basis. The company officers have appointed temporary first seargents and right and left guides from among those of their companies who have had previous experienece in military drill. While these temporary non-commissioned officers may be changed from time to time to give all the old drillers a chance, the placing of men in these positions get matters down to a working basis. There are a large number of men this year in all the companies who have had drill in their prep. schools, and they will act as instructors in the school of the soldier and of the squad to the inexperienced men.

At present all the time is being

At present all the time is being spent in instructing and drilling the men in the elementary movements by squads and in company formation. The setting up drill, as prescribed in the drill regulations is also being given. Although the Wednesday drill hour is designated for battalion drill, it will not be used for this purpose until the mea become more familiar with the simpler movements individually and by squads. There are now 270 men enrolled, companies are now 270 men enrolled, companies C and D having nearly 80 men each, while companies A and B have only about 60 men each. To balance this inequality Major Wheeler has arranged with the Registrar for the transfer of the t

mequality Major Wheeler has arranged with the Registrar for the transfer of section S, first year, from the Monday drill hour to the one on Friday. This change will take about a dozen men from companies C and D and distribute them between A and B.

Major Wheeler has appointed H. M. Priest 1912 and D. J. McGrath 1912 to be 1st lieutenants in C and D companies respectively, and R. F. Symonds 1912 to be leader of the baud. The roster now stands, J. A. Herlihy 1911, major; Co. A, D. E. Bent 1912, captain; C. W. Webber 1912 and H. W. Codding 1912, lieutenants; Co. B, L. R. Golden 1911, captain; L. W. Chandler 1912 and C. W. Davis 1912, lieutenants; Co H, II. S. Tirrell 1912, captain; H. M. Priest 1912, lieutenant; Co. D, W. W. Long 1912, captain; D. J. McGrath 1912 and R. B. Stone 1912, lieutenants.

Major Wheeler has made the announcement that all men must appear in the regulation uniform, standing white collar, black shoes and white

in the regulation uniform, standing white collar, black shoes and white gloves on Wednesday, Oct. 20.

Y. M. C. A. SUNDAY

Sunday evening the Tech Y. M. C. A. will have its first meeting at the Union. This is the only chance where men in This is the only chance where men in Technolov have an opportunity to meet in Christian fellowship and show that they consider other things worth while than hustle and study all the time.

These meeting need the support of all students interested in the Association of the control of the con

all benefit and show the speakers who come that there is an interest.

The meetings begin at 6:45, and are held in the meeting room up stairs in the Union. This hour gives everyone time to come around after supper and leaves the evening open, as the meetings close at 7:30 P. M.

TECHNIQUE 1911 **BOARD MEETING HELD**

History Editor Wants Men Now

Another "point system" is in vogue at the Institute! At the meeting of the Technique 1911 board yesterday afterenoon, it was decided to arrange the qualifications for the art competition

prizes.
The prizes agreed upon are as follows: \$10.00 for the best collection of drawings accepted; \$5.00 for the second beset collection; and a copy of Technique 1911 for the third best collection.
The decision is to be made by the board, each drawing accepted being marked on a point basis, the individual beging the greatest number of points.

marked on a point basis, the individual having the greatest number of points winning first place.

The prizes of the book this year is to be \$2.00 as usual.

The other prizes offered by the board are in connection with the grind and history departments. Prizes of \$5.00 and \$2.50 are offered for the best collections of grinds; and \$5.00 each will be offered for each of the four best class histories. It is also urged that everyone keep their eyes and cars open and jot down every funny episode that happens. These may be dropped in the boxes providee for the purpose or left at the Cage for O. B. Denisen, grind editor.

The business manager has issued a call for all juniors who desire to try for an assistant business managership to meet C. T. Morey at 4:15 in the Union

BOOK ON STRUCTURES

Professor Spofford To Issue **New Treatis For Course**

A new book on "The Theory of Structures" will soon be published by Prof tures" will soon be published by Prof. Chas. A. Spofford, head of the civil engi-Chas. A. Spofford, head of the civil engineering department. The book will contain many of Prof. Spofford's personal notes used in teaching and gained from his extensive practice. The book will comprise fully 200 pages and will probably be published next summer. This new volume will be principally a text book, but his friends say who have seen provider of the manuscript, that it will a portion of the manuscript, that it will be of utmost value to practical engineers. Prof. Spofford has had an engineering experience of great breadth along these lines and is a recognized

anong these fines and is recognised authority on structures.

This first volume is to be followed by one on "Higher Structures," and will be bought as soon as the necessary data and notes have been completed.

1913 NOMINATIONS

Ballots for freshmen class officers are now being sent to all 1913 men. The polls will close Saturday at 4:00 P. M. The name of H. S. Birchard nominated for president is withdrawn and C. G. Fallon should be inserted.

The nominations are as follows:

Fallon should be inserted.

The nominations are as follows:
President—W. N. Holmes, C. G. Fallon,
H. M. Rand. Vice-president—Geo. Wallace, D. V. Nason, Dan. Conlon. Secretary—Jas. Goff, P. V. Kelly, Sam
Knight. Treasurer—H. S. Birchard, C.
D. Duffy, H. B. Beebee. Clerk—Wm.
Chick Guild, L. C. Hart, L. C. Gustin.
Institute Committee—Wm. H. Torrey,
E. E. Corbett, H. E. Prentice, H. D.
Peck. Athletic Association—P. M. Hamilton, H. F. Merrill, 2d, E. E. Smith.

FINE WORK AT FIELD ALL TEAMS HARD AT WORK

Company Officers Are Appointed Art Competition Prizes Decided Cross Country Relay Teams O. B. Jacobs Visits Institute to and Football **Practice**

Work at the Field is now in full swing. Cross-country men mixed with men from the two lower classes occupy the greater portion of the track, while the large and husky looking squad of 1913 football men take up the greater portion of space inside of the track.

Yesterday afternoon a large squad of relay men reported for 1913. These men practised passing the flag, and showed up very well. These men work on the 220-yard stretch, while the 1912 men do their stunts on the 100-yard stretch.

Those reporting for 1912 were: E. Managan, L. B. Duke, C. E. Dodge, S. C. Sargent, H. G. Greenleaf, D. F. Baker, W. N. Gere, A. T. Bennis, F. E. Starr, E. W. Allen, M. A. Oettinger, J. Hall, H. S. Tirrell.

H. S. Tirrell.
For 1913: L. O. Waterman, C. Cairus, H. M. Rand, F. C. Balke, C. E. Brewster, W. A. Burnham, W. Conant, H. Crocker, S. C. Hersam, E. A. Katzenberger, S. Lewis, W. F. Lada, F. Thompson, P. Trull, D. Welch.
Those who reported are: D. C. Huber 1910, P. D. White 1911, R. D. Vanttsline 1911, K. Cartwright, H. Benson, E. Ferry, H. N. Foley, J. I. Taylor, of 1912, and E. W. Wittengill 1913, W. E. Byland 1913.

FOOTBALL. -

All the candidates on the 1912 and All the candidates on the 1912 and 1913 football teams are putting in every minute possible in hard practice. Just how the two teams will show up at Field Day is hard to say at this early date. The victory of the freshmen team Wednesday, and the defeat of the sophomores at Waltham is not the exact showing of either team. At the Dean game the freshmen line was at times very weak and a touch down was only made by Freeman who caught a forward pass and was able to get away into a clear field. It was impossible for the team to gain very much ground by line plays.

for the team to gain very much ground by line plays.

The sophomores play Dean next Sat-nrday, and the results from this con-test will give a much better line on the efficiency of the two teams. The sophomore outfit have a smail advan-tage over the freshmen, as most of the

(Continued on page 3.)

TECH MEN TO FLY

Elisha Fales and Gorton James Build Aeroplane

That Technology undergraduatees are up to the times in all branches o science and often ahead is well demon strated in the recent experiments with aeroplanes by two Tech men, Elisha Fales 1911 and Gorton James 1910. Both men have been interested in this branch of travel for a number of years and have spent much time in designing dif-

have spent much time in designing dif-ferent types of fiyers.

Last Friday their new monoplane was given a series of tests at Waban, which proved very successful. The plane is not equipped with a motor as yet, but after a few alterations motive power will be added. The men have gained much valuable information in their numerous experiments and are to continue work with this monoplane for a series of trials.

WIRELESS CLUB AT **WORGESTER POLYTECH**

Obtain Details of Society

Following the lead of the Technology Wireless Society in establishing a wireless station at the Institute, Oliver Burlingame Jacobs, a senior at Worcester Polytechnic Institute, is planning a similar society at the latter university, and will endeavor to set up a station under the auspices of the electrical engineering department of Worcester Palmering department of Worcester Palmering. gineering department of Worcester Polytelmic Institute that will have sufficient power to send messages within a radius

power to send messages within a radius of 50 miles.

Jacobs paid a visit to E. B. Moore, the president of the Institute Wireless Society yesterday, to confer with him regarding the cooperation of the two societies and the relaying of messages that might come to one or the other.

that might come to one or the other. A copy of the constitution of the M. I. T. Wireless Society will be sent to Jacobs, and in a few days he will call a meeting to start the interest of the students in the matter.

The co-operation of the faculty of the Worcester institution has already been received and space for the installation of the station has been given. The apparatus will be placed at one end of the gallery on the top floor of the electrical engineering building and the work will be carried out under the direction of Professor H. B. Smith, the head of the electrical engineering department.

head of the electrical engineering department.

Funds have been promised by the college and it is expected that the use of the 25 kilo-watt transformer will be offered the society as soon as they have become proficient in the use of a smaller 1-4 kilowatt transformer with which Jacobs has done most of his

work.

The proposed station when completed with the 25 kilowatt transformer attached will be capable of sending and receiving messages 500 miles or overe. With the 1-4 kilowate apparatus which will be used at first a distance of about 25 miles is assured, and messages can be received from Frantingham Business College, Cape Cod. Charlestown, Wellfleet, North Turo, Brant Rock and Newport News. port News.

The main object of this new society aill be similar to the wireless society at the Institute. It will do all in its power to discourage interference and will co-operate in all possible ways with the outside companies.

Jacobs assured President Moore that

the Worcester club would do what they could to aid this society here, and if Jacobs plans are carried out some valuable work can be conducted between the two stations.

GEOLOGICAL TRIP TO HAYWARD CREEK

The second geological trip this fall The second geological trip this fall will be conducted by Prof Shimer, Saturday afternoon, Oct. 16. The party will go to Hayward Creek via Quincy, and the afternoon will be spent in studying the fossils in the Cambrian slates. As the trip last Saturday was to study recent life, this week it will be to study fossil life.

Prof. Shimer will meet the party at the 2.27 P. M. train for Oniney at the

Prof. Shimer will meet the party at the 2:27 P. M. train for Quiney at the South Station. To reach the South Station from Technology, take an in-ward bound train at either the Boston & Albany, Huntington Ave. Station, or

(Continued on page 2.)

TECH. THE

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> > News Board.

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Business Board.

N. DeForest 1911.....Business Manager D. N. Frazier 1911, Circulation Manager

Associate Editors.

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Friday Issue, 1912, Associate Editor. E. B. Moore, 1912,

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BOSTON, MASS., OCTOBER 15, 1909.

Tech men lead as usual, others folwireless telegraphy, aeronautics,

At the Feld Wednesday afternoon the candidates for the sophomore relay team were surprised to see senior class men initiating the freshmen into track tactics in the preparation for Fieled Day.

As a usual thing the junior class is

the one which helps the freshmen and the seniors have usually lent their aid to the sophomores, but under the conditions seemingly prevailing at present, the two upper classmen seem to have united in an effort to help the class of 1913 defeat the class of 1912.

It is hoped that the seniors who have

been aiding the freshmen will see their way clear to once more return to their former friendship for the sophomore class, especially in this matter of prep-aration for Field Day.

1911 NOMINATIONS

All 1911 class nominations must be in before 4 P. M. Tuesday, Oct. 19, at 4 P. M. The following are to be nominated: President, vice-president, secretary, treasurer, clerk, executive com-mittee, two men; Institute committee, two men; Athletic Association representatives, five men.

All nominations must be signed by at least ten members of the class. Hand nominations to any member of the electoral committee, or at the Cage.
S. Putnam, J. W. Wilson, K. Barr, G.

CALENDAR.

Friday, October 15. 1:00 P. M.-Meeting of Chess Club in

8 Eng. C. 4:15 P. M.—Tennis preliminary rounds must be played off.

4:30 P M.—Practice at Field.

5:00 P. M.—Biological Society, Piece

28. Saturday, October 16.

1:00 P. M.—1913 Polls close.

1:00 P. M.—1910 polls close.

Monday, October 18.

1:00 P. M.—1913 mass meeting at Huntington Hall.

TIGERS EVEN SERIES

In a game marked by heavy hitting and over-anxiety on the part of both teams, the Tigers evened up the series vith the Pirates at three games apiece by winning yesterday's game at Detroit by the score of 5 to 4. The game was the closest of the series so far and not until the last Pittsburg batter had been retired in the ninth inning was the result determined.

Cannitz pitched for Pittsburg in the sixth and was very ineffective, although but one run was scored by the Tigers. The run was stored by the Tigers. Schmidt, Wilson's error, a pass to Bush

and Cobb's double.

Pittsburg made a game rally in the ninth, but fell short by one run. Miller opened up with a single, and Abstein followed suit with another one good for a base. Wilson made the third straight hit off Mullin and scored Miller. Gibson hit a grounder to Craw-ford, who had replaced T. Jones at first, the later having been severely hurt, and Crawford threw Abstein out at the plate. Abbatichie bated for Phillipi and

fanned, and Wilson was out trying to steal third, ending the game.

The deciding game of the series is to be played at Detroit tomorrow, and the winning team will be pronounced cham-

pions of the world. The score:

123456789 r h Detroit 1 0 0 2 1 1 0 0 x—5 10 1 Pittsburg 3 0 0 0 0 0 0 0 1—4 9 2 Batteries: Mullin and Schmidt; Willis, Camnitz, Phillipi and Gibson.

TARGET PRACTICE

Target practice for members of the freshmen battalion and also for upperclassmen at the Institute is held Saturday afternoons on the Ranges, weather permitting. It is under kanges, weather permitting. It is under the direction and charge of Major Wheeler and those who wish to join the party should leave their names with him and get orders for rifles. The armorer at the South Armory will not give out a rifle without a written order from the Major.

The squad will take the 1:35 P. M. train from the North Station for Wakefield on Saturday, instead of the 2:15 P. M. train as heretofore. Major Wheeler has tickets for the train, and when bought from him, the round trip costs 22 cents on the train plus 5 cents each way on the trolley car from the

R. R. Station to the Ranges.

The ranges are 200, 300, and 500 yds and men who are going out for the first time will be put on the 200 yds. to

GEOLOGICAL TRIP

at the N. Y. N. H. & H., Back Bay at the N. Y. N. H. & H., Back Bay Station. From the latter there is an inward train at 2:08 P. M. and another at 2:20 P. M. From Quincy the trolley will be taken to a point near Hayward Creek, which is back of the Fore River Ship and Engine Works. The cost of the trip will be five cents to the South Station. fifteen cents to Quincy and Station, fifteen cents to Quiney and five cents to the Fore River Works, making a total round trip expense of

fifty cents.

Prof. Shimer says that it will be necessary for each member of the party to bring a hammer for studying the rocks. On last year's trip to Hayward Creek a party of over two dozen men went a party of over two dozen men along, and as it is an interesting and instructive jaunt a good sized party is expected this week. It is open to any member of the Institute who cares to avail himself of the opportunity.

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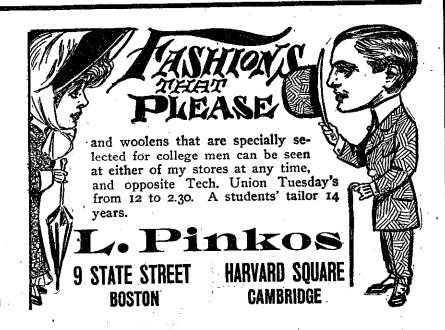
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GOLF CLUB MEETING

Members of the Golf Club held a meet-Members of the Goff Club field a meeting yesterday afternoon in 22 Rogers and discussed plans for the coming year, and elected officers. The question of which links would be used this year was discussed and it was decided that the manager should write the various clubs near the city and find out exactly what they could do for them, and report the matter at the next meeting. It was decided to hold a tournament at an early date, in fact as soon as they décide upon the links. It was also proposed to choose a team from the club and play the various colleege teams near here. The officers appointed teams near here. The officers appointed were President W. C. Salisbury, Sec. Treas. F. C. Hobson, manager.

The club will begin work at once, and book dates as early as possible.

NOTICES.

ADVISORY COUNCIL.—Meeting of Advisory Council on athletics will be held Thursday evening, Oct. 21. Undergraduates wishing to bring matters be-fore the Council should present them in writing to manager of team whose interest they concern, or through undergraduate members of Advisory Council -Karl D. Fernstrom, P. Desmond White or J. Avery, Jr. FRANK H. BRIGGS, Chairman.

GRINDS.—Any man who is willing to act as collector of grinds for Technique 1911, in his course or section, leave name at Cage for O. B. Denisen, grind

The room assignment for 3rd year Steam Eng. Course X and XIII has been changed on Saturdays to room 20 Eng. B. 11-12-13-14-15-16

GENERAL BIOLOGY.—Course XI, will meet on Fridays, 11-12, in 28 Pierce Building, instead of Tuesdays, 9-10. 11-12-13-14-15-16

All Goods Required by Students at

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FINE WORK AT FIELD

(Continued from page 1.).

men on the team have played togther

Of the eleven men who played on the 1912 team last year, nine men have turned out this year. Swenson who is taking Hopper's p'ace at centre, played with the Dartmouth freshmen team last yar. Unfortunately the sophomores have been having hard luck so far; both Robertson, who sprained the ligaments in his arm, and Kebbon, who hurt his shoulder, will be unable to play in the game Saturday; Kimball and Shuttle-worth will most likely take their places. Unless Capt. Eicher's leg gets better, he also will be unable to play. This will handicap the team a great deal This as Eicher has the men well in hand. Hopkins, a new man, is showing up well, and if Capt. Eicher is unable to be in the game Saturday will probably be placed at quarter. Among the freshmen, Freeman played a very noticeable game yesterday. The back division is perhaps a little weak yet, but they are fast improving.

Interest in the two teams is very great, and the progress of the men is watched with considerable eagernss by all the undergraduates.

CROSS COUNTRY DINNER

The cross-country dinner will be held at the Union, Saturday, directly ofter the hair and hounds' run at Wellesley. The speakers will probably be Major Briggs and Dr. Rockwell. F. H. Hunter 1902, will announce something of great interest to all Institute runners. Tickets for the dinner are forty cents.

1913.—A mass meeting is to be held

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NOTICES.

FRENCH III B, SECTION B.—Commencing October 23d, the Saturday recitation of this section (Mr. Dike, instructor) will be held from 8 to 9, otherwise as heretofore.

COLLOQUEM.—Commenc-FRENCH ing October 15th the exercises in this subject will be held on Monday, Wednesday and Friday.

ITALIAN.—Commencing October 19th, the exercises in this subject will be held on Tuesdays and Thursdays, from 8 to 9—otherwise as heretofore.

LECTURE ON POLARIZED LIGHT. A course of lectures on Polarized Light experimentally treated (No. 813 of the Subject List) by Professor Cross will be given in room 22 Walker, at 4 o'clock on successive Monday afternoons, beginning Oct. 25, should there be sufficient desire therefor. It is open to students of 3d, 4th and graduate years. No examination will be given.

Students desiring to take either or both of these courses should send their names to the registrar. 14-15-16-17-18

CHESS CLUB.—There will be a meeting of the Chess Club today, at 1 o'clock, in room 8 Eng. C.

Students wishing to keep their laboratory notebooks in Building Stones, course I, section 3 and in Structural and field Geology, course I, section 2, will find them on the lecture table in room 10 Eng. B, during the week ending Oct. 12.13.14 -15.16 G. F. LAUGHLIN.

BIOLOGICAE SOCIETY.—Biological Society, Friday, Oct. 16, 5 o'clock P. M., in room 28 Pierce. General business and amendment of constitution.

CLASS OF 1910.—Only seniors who have paid their junior year class dues will be allowed to hold class office or vote in the class election on Wednesday, Oct. 20. See Union bulletin board at once.

Payments received at the Cage window in the Union, Friday, from 1:30 to 2 and Saturday from 12:30 to 1.

Nominations received until one o'clock on Saturday, Oct. 16. Ballots ready Monday afternoon. 15-16

LOST.-Jeanes Notes on Mechanics. Return to Tech office.

1912.-Class dues can be paid at the

MECH. ENG. SOCIETY.-Dinner at Union, Tuesday, at 6:30 P. M. Five speakers. Tickets 50 cents.

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